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(FILE 'HOME' ENTERED AT 11:05:16 ON 27 MAY 2005)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 11:07:24 ON 27 MAY 2005

L1 41979 S "SKC" OR STREPTOKINASE?
L2 1317 S EQUISIMILIS
L3 371 S L1 AND L2
L4 47521 S INCLUSION (W)BOD?
L5 5 S L3 AND L4
L6 1 DUP REM L5 (4 DUPLICATES REMOVED)
L7 10 S L1 AND L4
L8 6 DUP REM L7 (4 DUPLICATES REMOVED)
L9 7089745 S CLON? OR EXPRESS? OR RECOMBINANT
L10 219 S L3 AND L9
L11 116 S BACTERIPHAGE
L12 0 S L10 AND L11
L13 4 S LAMNDA###
L14 4 S LAMNDA?
L15 280107 S INSOLUBL?
L16 0 S L10 AND L15
L17 20993 S HEAT (W)INDUC?
L18 0 S L10 AND L17
L19 0 S L1 AND L18
L20 25944 S HEAT (A)INDUC?
L21 0 S L10 AND L20
E KAPPUSAMY M/AU
E SRINIVAS V K/AU
L22 28 S E3
E LAHIRI S/AU
L23 1631 S E3
E KHATRI G S/AU
L24 60 S E3-E7
L25 1716 S L22 OR L23 OR L24
L26 0 S L3 AND L25
L27 0 S L1 AND L25

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| NEWS | 2 | | "Ask CAS" for self-help around the clock |
| NEWS | 3 | FEB 25 | CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered |
| NEWS | 4 | FEB 28 | PATDPAFULL - New display fields provide for legal status data from INPADOC |
| NEWS | 5 | FEB 28 | BABS - Current-awareness alerts (SDIs) available |
| NEWS | 6 | FEB 28 | MEDLINE/LMEDLINE reloaded |
| NEWS | 7 | MAR 02 | GBFULL: New full-text patent database on STN |
| NEWS | 8 | MAR 03 | REGISTRY/ZREGISTRY - Sequence annotations enhanced |
| NEWS | 9 | MAR 03 | MEDLINE file segment of TOXCENTER reloaded |
| NEWS | 10 | MAR 22 | KOREAPAT now updated monthly; patent information enhanced |
| NEWS | 11 | MAR 22 | Original IDE display format returns to REGISTRY/ZREGISTRY |
| NEWS | 12 | MAR 22 | PATDPASPC - New patent database available |
| NEWS | 13 | MAR 22 | REGISTRY/ZREGISTRY enhanced with experimental property tags |
| NEWS | 14 | APR 04 | EPFULL enhanced with additional patent information and new fields |
| NEWS | 15 | APR 04 | EMBASE - Database reloaded and enhanced |
| NEWS | 16 | APR 18 | New CAS Information Use Policies available online |
| NEWS | 17 | APR 25 | Patent searching, including current-awareness alerts (SDIs), based on application date in CA/Caplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications. |
| NEWS | 18 | APR 28 | Improved searching of U.S. Patent Classifications for U.S. patent records in CA/Caplus |
| NEWS | 19 | MAY 23 | GBFULL enhanced with patent drawing images |
| NEWS | 20 | MAY 23 | REGISTRY has been enhanced with source information from CHEMCATS |
| NEWS | 21 | MAY 26 | STN User Update to be held June 6 and June 7 at the SLA 2005 Annual Conference |
| NEWS EXPRESS | | | JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005 |
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=> s "SKC" or streptokinase?

L1 41979 "SKC" OR STREPTOKINASE?

=> s equisimilis

L2 1317 EQUISIMILIS

=> s l1 and l2

L3 371 L1 AND L2

=> s inclusion (w)bod?

L4 47521 INCLUSION (W) BOD?

=> s l3 and l4

L5 5 L3 AND L4

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6 1 DUP REM L5 (4 DUPLICATES REMOVED)

=> d all

L6 ANSWER 1 OF 1 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
DUPLICATE 1
AN 2000:96119 BIOSIS
DN PREV200000096119
TI Two **streptokinase** genes are expressed with different solubility
in Escherichia coli W3110.
AU Pupo, Elder [Reprint author]; Baghbaderani, Behnam A.; Lugo, Victoria;
Fernandez, Julio; Paez, Rolando; Torrens, Isis
CS Biopharmaceutical Development Division, Center for Genetic Engineering and
Biotechnology, Havana, Cuba
SO Biotechnology Letters, (Dec., 1999) Vol. 21, No. 12, pp. 1119-1123. print.
CODEN: BILED3. ISSN: 0141-5492.
DT Article
LA English
ED Entered STN: 15 Mar 2000
Last Updated on STN: 3 Jan 2002
AB The **streptokinase** (SK) gene from *S. equisimilis* H46A
(ATCC 12449) was cloned in *E. coli* W3110 under the control of the
tryptophan promoter. The recombinant SK, which represented 15% of total
cell protein content, was found in the soluble fraction of disrupted
cells. The solubility of this SK notably differed from that of the
product of the SK gene from *S. equisimilis* (ATCC 9542) which had
been cloned in *E. coli* W3110 by using similar expression vector and cell
growth conditions, and occurred in the form of **inclusion
bodies**.
CC Genetics of bacteria and viruses 31500
Biochemistry methods - Nucleic acids, purines and pyrimidines 10052
Biochemistry methods - Proteins, peptides and amino acids 10054
Replication, transcription, translation 10300
Biophysics - Molecular properties and macromolecules 10506
Microbiological apparatus, methods and media 32000
Food microbiology - General and miscellaneous 39008
Enzymes - General and comparative studies: coenzymes 10802
Metabolism - Proteins, peptides and amino acids 13012
Morphology and cytology of bacteria 30500
Physiology and biochemistry of bacteria 31000
IT Major Concepts
Enzymology (Biochemistry and Molecular Biophysics); Molecular Genetics
(Biochemistry and Molecular Biophysics)
IT Chemicals & Biochemicals
amino acids; enzymes; proteins; tryptophan
IT Miscellaneous Descriptors
biotechnology; cell growth conditions; expression vectors; gene
expression; promoters; tryptophan promoter
ORGN Classifier
Enterobacteriaceae 06702
Super Taxa
Facultatively Anaerobic Gram-Negative Rods; Eubacteria; Bacteria;
Microorganisms
Organism Name
Escherichia coli: W 3110
Taxa Notes
Bacteria, Eubacteria, Microorganisms
ORGN Classifier
Gram-Positive Cocci 07700
Super Taxa
Eubacteria; Bacteria; Microorganisms
Organism Name
Streptococcus **equisimilis**

Taxa Notes

Bacteria, Eubacteria, Microorganisms
RN 54-12-6Q (tryptophan)
73-22-3Q (tryptophan)

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L5 5 S L3 AND L4
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=> s l1 and l4

L7 10 L1 AND L4

=> dup rem l7

PROCESSING COMPLETED FOR L7

L8 6 DUP REM L7 (4 DUPLICATES REMOVED)

=> d 1-6 ibib ab

L8 ANSWER 1 OF 6 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
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ACCESSION NUMBER: 2005124874 EMBASE

TITLE: Tuberculosis, nontuberculous lung infection, pleural disorders, pulmonary function, respiratory muscles, occupational lung disease, pulmonary infections, and social issues in AJRCCM in 2004.

AUTHOR: Nemery B.; Wing W.Y.; Albert R.; Brun-Buisson C.; MacNee W.; Martinez F.J.; Angus D.C.; Abraham E.

CORPORATE SOURCE: Dr. E. Abraham, Univ. of CO Health Sciences Center, Div. Pulmon. Sci. Critical Care Med., Box C272, 4200 East 9th Avenue, Denver, CO 80262-0001, United States.
edward.abraham@uchsc.edu

SOURCE: American Journal of Respiratory and Critical Care Medicine, (15 Mar 2005) Vol. 171, No. 6, pp. 554-562.

Refs: 69

ISSN: 1073-449X CODEN: AJCMED

COUNTRY: United States

DOCUMENT TYPE: Journal; General Review

FILE SEGMENT: 015 Chest Diseases, Thoracic Surgery and Tuberculosis
035 Occupational Health and Industrial Medicine
036 Health Policy, Economics and Management
037 Drug Literature Index
038 Adverse Reactions Titles

LANGUAGE: English

ENTRY DATE: Entered STN: 20050414

Last Updated on STN: 20050414

L8 ANSWER 2 OF 6 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
DUPLICATE 1

ACCESSION NUMBER: 2000:96119 BIOSIS

DOCUMENT NUMBER: PREV200000096119

TITLE: Two **streptokinase** genes are expressed with different solubility in Escherichia coli W3110.

AUTHOR(S): Pupo, Elder [Reprint author]; Baghbaderani, Behnam A.;

Lugo, Victoria; Fernandez, Julio; Paez, Rolando; Torrens, Isis
CORPORATE SOURCE: Biopharmaceutical Development Division, Center for Genetic Engineering and Biotechnology, Havana, Cuba
SOURCE: Biotechnology Letters, (Dec., 1999) Vol. 21, No. 12, pp. 1119-1123. print.
CODEN: BILED3. ISSN: 0141-5492.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 15 Mar 2000
Last Updated on STN: 3 Jan 2002

AB The **streptokinase** (SK) gene from *S. equisimilis* H46A (ATCC 12449) was cloned in *E. coli* W3110 under the control of the tryptophan promoter. The recombinant SK, which represented 15% of total cell protein content, was found in the soluble fraction of disrupted cells. The solubility of this SK notably differed from that of the product of the SK gene from *S. equisimilis* (ATCC 9542) which had been cloned in *E. coli* W3110 by using similar expression vector and cell growth conditions, and occurred in the form of **inclusion bodies**.

L8 ANSWER 3 OF 6 MEDLINE on STN
ACCESSION NUMBER: 1999156085 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10048340
TITLE: Expression and characterization of the intact N-terminal domain of **streptokinase**.
AUTHOR: Azuaga A I; Woodruff N D; Conejero-Lara F; Cox V F; Smith R A; Dobson C M
CORPORATE SOURCE: Oxford Centre for Molecular Sciences and New Chemistry Laboratory, University of Oxford, United Kingdom.
SOURCE: Protein science : a publication of the Protein Society, (1999 Feb) 8 (2) 443-6.
Journal code: 9211750. ISSN: 0961-8368.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199905
ENTRY DATE: Entered STN: 19990517
Last Updated on STN: 19990517
Entered Medline: 19990506

AB Proteolytic studies have enabled two of the three putative domains of the fibrinolytic protein **streptokinase** to be isolated and characterized (Conejero-Lara F et al., 1996, Protein Sci 5:2583-2591). The N-terminal domain, however, could not be isolated in these experiments because of its susceptibility to proteolytic cleavage. To complete the biophysical characterization of the domain structure of **streptokinase** we have overexpressed, purified, and characterized the N-terminal region of the protein, residues 1-146. The results show this is cooperatively folded with secondary structure content and overall stability closely similar to those of the equivalent region in the intact protein.

L8 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1997:352129 HCAPLUS
DOCUMENT NUMBER: 127:4125
TITLE: Isolation and purification of recombinant **streptokinase** expressed in *Escherichia*
AUTHOR(S): Hao, Hong; Li, Hua; Cui, Huifei; Fan, Kai; Xie, Kun; Jiang, Yanbin
CORPORATE SOURCE: Dep. Biochem. Pharmaceuticals, Shandong Medical Univ., Jinan, 250012, Peop. Rep. China
SOURCE: Yaowu Shengwu Jishu (1996), 3(2), 69-72
CODEN: YSJIFO; ISSN: 1005-8915

PUBLISHER: Zhongguo Yaoke Daxue
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

AB A method of washing r-SK **inclusion body** of recombinant Escherichia coli was established. The extract was further purified by DEAE-Sepharose chromatog. The product r-SK identified by Western blot was of 90% purity activity with sp. activity of 1+105 IU/mg activity.

L8 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:260037 HCAPLUS

DOCUMENT NUMBER: 122:48497

TITLE: Manufacture of the blood clotting factor Xa inhibitor of the leech Hirudo medicinalis by expression of the cloned gene

INVENTOR(S): Werber, Moshe M.; Zeelon, Elisha P.; Levanon, Avigdor; Guy, Rachel; Goldlust, Arie; Rigbi, Meir; Panet, Amos; Fischer, Meir

PATENT ASSIGNEE(S): Bio-Technology General Corp., USA; Yissum Research Development Co.

SOURCE: PCT Int. Appl., 106 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 9423709 | A1 | 19941027 | WO 1994-US3918 | 19940408 |
| W: AU, BR, CA, CN, FI, HU, JP, KR, NO, NZ, PL, RU | | | | |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| AU 9466302 | A1 | 19941108 | AU 1994-66302 | 19940408 |
| EP 693925 | A1 | 19960131 | EP 1994-914102 | 19940408 |
| EP 693925 | B1 | 20020213 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE | | | | |
| AT 213155 | E | 20020215 | AT 1994-914102 | 19940408 |
| PRIORITY APPLN. INFO.: | | | US 1993-45804 | A 19930409 |
| | | | WO 1994-US3918 | W 19940408 |

AB The novel factor Xa inhibitor of Hirudo medicinalis is manufactured for use as

a therapeutic coagulation inhibitor by expression of the cloned gene. The inhibitor was extracted from expressed diluted leech saliva by a combination of anion-exchange with gel filtration or affinity chromatog. Two isoforms of the protein differentiated by amino acid substitutions and glycosidation patterns were found. The pattern of inhibition of Xa by the inhibitor was typical of a slow-binding inhibitor and was probably achieved through a mixed-type inhibition. A N-terminal amino acid sequence-derived primer and a generic 3'-end primer were used to prepare a cDNA that was then used as a probe to screen a cDNA library to obtain a cDNA that was used to manufacture the protein as a fusion product with Cu/Zn superoxide dismutase. The protein accumulated as **inclusion bodies** that could be solubilized and refolded to recover .apprx.20% of the activity.

L8 ANSWER 6 OF 6 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
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ACCESSION NUMBER: 83146241 EMBASE

DOCUMENT NUMBER: 1983146241

TITLE: Chediak-Higashi syndrome in a Chinese infant.

AUTHOR: Yip W.C.L.; Lee Y.S.; Tay J.S.H.; Wong H.B.

CORPORATE SOURCE: Univ. Dep. Paediatr., Singapore Gen. Hosp., Singapore, Singapore

SOURCE: Australian Paediatric Journal, (1983) Vol. 19, No. 1, pp.

51-53.
 CODEN: AUPJB7
 COUNTRY: Australia
 DOCUMENT TYPE: Journal
 FILE SEGMENT: 037 Drug Literature Index
 007 Pediatrics and Pediatric Surgery
 022 Human Genetics
 003 Endocrinology
 029 Clinical Biochemistry
 013 Dermatology and Venereology
 012 Ophthalmology
 LANGUAGE: English
 ENTRY DATE: Entered STN: 911209
 Last Updated on STN: 911209

AB Chediak-Higashi syndrome in Chinese has not been previously reported in the English literature. A 14-month Chinese girl who presented with partial oculocutaneous albinism and Pseudomonas infection was found to have the classical intracytoplasmic **inclusion bodies** in the leucocytes by light and electron microscopy. Other characteristic features typical of this syndrome included hepatosplenomegaly, defective chemotaxis, and coarse but sparse melanin granules in hair shaft. She was also found to have hypertriglyceridaemia, a rare lipid abnormality occasionally reported in children suffering from this syndrome. Despite vigorous therapy with high dose ascorbate, corticosteroid and intravenous antibiotics, she died in the accelerated phase of Pseudomonas septicemia.

=> s clon? or express? or recombinant
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 5 FILES SEARCHED...
 L9 7089745 CLON? OR EXPRESS? OR RECOMBINANT

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=> s l3 and l9
 L10 219 L3 AND L9

=> s bacteriophage
 L11 116 BACTERIPHAGE

=> s l10 and l11
 L12 0 L10 AND L11

=> s lamnda###
L13 4 LAMNDA###

=> s lamnda?
L14 4 LAMNDA?

=> s insolubl?
L15 280107 INSOLUBL?

=> s l10 and l15
L16 0 L10 AND L15

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=> s heat (w)induc?
L17 20993 HEAT (W) INDUC?

=> s l10 and l17
L18 0 L10 AND L17

=> s l1 and l18
L19 0 L1 AND L18

=> s heat (a)induc?
L20 25944 HEAT (A) INDUC?

=> s l10 and l20
L21 0 L10 AND L20

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L19 0 S L1 AND L18
L20 25944 S HEAT (A)INDUC?
L21 0 S L10 AND L20

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E1 39 KAPPUS W/AU
E2 6 KAPPUS WOLFGANG/AU

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| E4 | 14 | KAPPUSHEV A U/AU |
| E5 | 1 | KAPPUSHEV B A/AU |
| E6 | 1 | KAPPUSHEV E M/AU |
| E7 | 7 | KAPPUSHEVA L M/AU |
| E8 | 1 | KAPPY/AU |
| E9 | 1 | KAPPY ANDGUMUCIO K C C/AU |
| E10 | 1 | KAPPY D/AU |
| E11 | 12 | KAPPY K/AU |
| E12 | 37 | KAPPY K A/AU |

=> e Srinivas v k/au

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| E2 | 1 | SRINIVAS V B S/AU |
| E3 | 28 | --> SRINIVAS V K/AU |
| E4 | 1 | SRINIVAS V N S/AU |
| E5 | 89 | SRINIVAS V R/AU |
| E6 | 34 | SRINIVAS V S/AU |
| E7 | 1 | SRINIVAS V SEENA/AU |
| E8 | 1 | SRINIVAS V SESA/AU |
| E9 | 1 | SRINIVAS V T/AU |
| E10 | 6 | SRINIVAS V V/AU |
| E11 | 2 | SRINIVAS VELLIMEDU KANNAPPA/AU |
| E12 | 1 | SRINIVAS VENKATARAMIAH/AU |

=> s e3

L22 28 "SRINIVAS V K"/AU

=> e lahiri s/au

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| E1 | 6 | LAHIRI RANGAN/AU |
| E2 | 4 | LAHIRI ROMA/AU |
| E3 | 1631 | --> LAHIRI S/AU |
| E4 | 2 | LAHIRI S */AU |
| E5 | 8 | LAHIRI S A/AU |
| E6 | 16 | LAHIRI S B/AU |
| E7 | 594 | LAHIRI S C/AU |
| E8 | 1 | LAHIRI S C */AU |
| E9 | 1 | LAHIRI S C JR/AU |
| E10 | 18 | LAHIRI S D/AU |
| E11 | 1 | LAHIRI S H/AU |
| E12 | 264 | LAHIRI S K/AU |

=> s e3

L23 1631 "LAHIRI S"/AU

=> e khatri g s/au

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| E1 | 17 | KHATRI G K/AU |
| E2 | 32 | KHATRI G R/AU |
| E3 | 45 | --> KHATRI G S/AU |
| E4 | 1 | KHATRI GAJENDRA/AU |
| E5 | 1 | KHATRI GAJENDRA K/AU |
| E6 | 1 | KHATRI GAURAV/AU |
| E7 | 12 | KHATRI GHAN SHYAM/AU |
| E8 | 2 | KHATRI GOPAL KRISHAN/AU |
| E9 | 1 | KHATRI GULSHAN R/AU |
| E10 | 3 | KHATRI H/AU |
| E11 | 1 | KHATRI H K/AU |
| E12 | 74 | KHATRI H L/AU |

=> s e3-e7

L24 60 ("KHATRI G S"/AU OR "KHATRI GAJENDRA"/AU OR "KHATRI GAJENDRA K"/AU OR "KHATRI GAURAV"/AU OR "KHATRI GHAN SHYAM"/AU)

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E LAHIRI S/AU
L23 1631 S E3
E KHATRI G S/AU
L24 60 S E3-E7

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L1 41979 S "SKC" OR STREPTOKINASE?
L2 1317 S EQUISIMILIS
L3 371 S L1 AND L2
L4 47521 S INCLUSION (W)BOD?
L5 5 S L3 AND L4
L6 1 DUP REM L5 (4 DUPLICATES REMOVED)
L7 10 S L1 AND L4
L8 6 DUP REM L7 (4 DUPLICATES REMOVED)
L9 7089745 S CLON? OR EXPRESS? OR RECOMBINANT
L10 219 S L3 AND L9
L11 116 S BACTERIPHAGE
L12 0 S L10 AND L11
L13 4 S LAMNDA###

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| L14 | 4 S LAMNDA? |
| L15 | 280107 S INSOLUBL? |
| L16 | 0 S L10 AND L15 |
| L17 | 20993 S HEAT (W)INDUC? |
| L18 | 0 S L10 AND L17 |
| L19 | 0 S L1 AND L18 |
| L20 | 25944 S HEAT (A)INDUC? |
| L21 | 0 S L10 AND L20 |
| | E KAPPUSAMY M/AU |
| | E SRINIVAS V K/AU |
| L22 | 28 S E3 |
| | E LAHIRI S/AU |
| L23 | 1631 S E3 |
| | E KHATRI G S/AU |
| L24 | 60 S E3-E7 |
| L25 | 1716 S L22 OR L23 OR L24 |
| L26 | 0 S L3 AND L25 |
| L27 | 0 S L1 AND L25 |